

**What is Claimed:**

1. An apparatus for playback of a data storage disk of the type having a series of data streams and a TOC prerecorded in preassigned tracks thereon, each data stream being comprised of a series of frames each having a data region for storage of data and an address region for storage of the address of the frame in question in the track in question, the TOC on the disk listing the starting addresses of the data streams, characterized in that the playback apparatus comprises:

a transducer for reading the prerecorded data streams and TOC on the disk by relatively scanning the tracks thereon;

storage means connected to said transducer for rewritably storing the TOC read on the disk by said transducer; and

data processing means connected to said transducer for creating an expanded TOC by adding an ending address of each data stream to the original TOC which has been stored on said storage means and for controlling the scanning motion of the transducer with respect to the disk according to the expanded TOC, the expanded TOC being editable for causing said data processing means to play either whole or some desired part of any desired one of the data streams.

2. A playback apparatus as claimed in claim 1, characterized in that said data processing means comprises:

input means for inputting instructions for editing the TOC that has been stored on said storage means;

ending address addition means for adding to the original TOC that has been stored on said storage means, as the ending address of each data stream, the starting address of the next data stream;

editing means for editing the expanded TOC on said storage means in response to the instructions that have been input on said input means; and

control means for causing the data storage disk to be played according to the edited TOC on said storage means.

3. A playback apparatus as claimed in claim 2, characterized in that said ending address addition means, said editing means and said control means are comprised of:

a central processor unit connected to said input means; and

a memory connected to said central processor unit and storing a program for creating the expanded TOC by adding the ending addresses and a program for editing the expanded TOC.

4. A playback apparatus as claimed in claim 1, characterized in that said data processing means comprises:

means for specifying any desired address intermediate the starting address and ending address of any desired one of the prerecorded data streams on the disk in order to divide the desired data stream into parts upstream and downstream, respectively, of the desired intermediate address; and

means for introducing into the TOC on said storage means the desired intermediate address both as the ending address of the upstream division of the desired data stream and as the starting address of the downstream division of the desired data stream, and for introducing into the TOC on said storage means the ending address of the desired data stream as the ending address of the downstream division of the desired data stream.

5. A playback apparatus as claimed in claim 1, characterized in that said data processing means comprises, in order to enable the user to sequentially play back a plurality of selected ones of the prerecorded data streams on the disk, means for storing on the TOC on said storage means the starting address of the most upstream one of the selected data streams as the starting address of the selected series of data streams, and for storing on the TOC on said storage means the ending address of the most downstream one of the selected data streams as the ending stream of the selected series of data streams.

6. A playback apparatus as claimed in claim 1, characterized in that said data processing means comprises, in order to inhibit the playback of any selected one of the prerecorded data streams on the disk, means for erasing from the TOC the starting and ending addresses of the selected data stream.

7. A playback apparatus as claimed in claim 1, characterized in that said data processing means comprises, in order to inhibit the playback of part of any selected one of the prerecorded data streams on the disk, means for changing at least either of the starting and ending addresses of the selected data stream on the TOC on said storage means.

8. A playback apparatus as claimed in claim 1, characterized in that said data processing means comprises, in order to enable the sequential playback of any selected first one of the prerecorded data streams on the disk and a second one that is immediately downstream of the first selected data stream, with a change in the point of transition between the two:

means for specifying a desired address intermediate the starting and ending addresses of

the second data stream; and

means for storing the desired intermediate address on the TOC on said storage means as the ending address of the first selected data stream and as the starting address of the second data stream.

9. A playback apparatus as claimed in claim 1, characterized in that said data processing means comprises, in order to enable the sequential playback of any selected first one of the prerecorded data streams on the disk and a second one that is immediately downstream of the first selected data stream, with a change in the point of transition between the two:

means for specifying a desired address intermediate the starting and ending addresses of the first data stream; and

means for storing the desired intermediate address on the TOC on said storage means as the ending address of the first selected data stream and as the starting address of the second data stream.

10. A playback apparatus as claimed in claim 1, characterized in that said data processing means comprises, in order to enable the sequential playback of any selected two of the prerecorded data streams on the disk, with a change in the sequence of playback, means for storing, as the starting and ending addresses of a first selected data stream, the starting and ending addresses of a second selected data stream on the TOC on said storage means, and, as the starting and ending addresses of said second selected data stream, the starting and ending addresses of said first selected data stream on the TOC on said storage means.

11. A playback apparatus as claimed in claim 1, characterized in that said data storage disk is a CD.

12. A playback apparatus as claimed in claim 11, characterized in that said starting and ending addresses are the absolute addresses on the CD.